

Science-Based Restoration Monitoring of Coastal Habitats

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NOAA has partnered with scientists and managers across the United States to develop *Science-Based Restoration Monitoring of Coastal Habitats*. This document will provide technical assistance in the development and implementation of sound scientific monitoring of coastal restoration efforts. Our goal is to support the maximization of societal, ecological, and environmental benefits to watersheds throughout the estuarine and Great Lakes regions of the United States and its protectorates. The document outlines the steps necessary in the development of a scientifically sound and fiscally responsible monitoring plan and provides tools to assist in monitoring plan development and guide decision making. Three short presentations will describe the contents of and uses for this guidance document.

A Framework for Monitoring Plans under the Estuaries and Clean Water Act of 2000

Felicity M. Burrows will provide a framework for creating a monitoring program, discuss how to create a monitoring plan, and inventory important information that should be considered when monitoring specific habitats. Overall guidance on implementing scientific monitoring plans for coastal habitat restoration ranging from estuaries to freshwater coastal ecosystems of the United States will be given.

Tools for Monitoring Coastal Habitats

David H. Merkey will describe commonly restored and monitored coastal habitats. Recommendations on minimum measurements to be taken in each for a useful monitoring plan will be discussed. Other items such as an annotated bibliography of monitoring sampling techniques manuals and a review of regional monitoring programs across the United States will be briefly discussed.

The Role of Socioeconomic Monitoring in Coastal Restoration

Amy D. Nickens will discuss the current role of socioeconomic considerations in coastal restoration monitoring. Also, practical socioeconomic metrics and processes will be recommended for monitoring restoration projects.